

[DOCUMENT NAME] CLAIMS

[1] A recording medium drive device that allows, among a plurality of kinds of recording media having different shapes, only a part of the recording media to be inserted therein, the recording medium drive device comprising:

5 a restraining section that detects the difference in shape between the part of the recording media and the other recording media so as to prevent the other recording media from being inserted.

[2] The recording medium drive device according to claim 1, wherein
the restraining section is a stopper that detects a projection formed on an outer
10 surface of a cartridge in which one of the other recording media is contained.

[3] The recording medium drive device according to claim 1 or 2, wherein
the recording medium drive device further comprises a recording medium
loading slot through which the part of the recording media can be inserted; and
the stopper is provided substantially in the vicinity of the center of the recording
15 medium loading slot.

[4] The recording medium drive device according to any one of claims 1 to 3,
wherein
the stopper comprises a recording medium detector that detects the difference in
shape between the part of the recording media and the other recording media, and a
20 stopper body that interlocks with the recording medium detector to prevent the other
recording media from being inserted.

[5] The recording medium drive device according to claim 4, further comprising:
a rotary shaft that rotatably supports the stopper between the stopper body and
the recording medium detector, the stopper body being provided on one side of the rotary
25 shaft, and the recording medium detector being provided on the other side of the rotary
shaft.

[6] The recording medium drive device according to claim 5, wherein
the stopper body and the recording medium detector are integrally formed with
each other.

[7] The recording medium drive device according to any one of claims 4 to 6,
wherein

the tip end of the recording medium detector is provided with a roller that abuts
on the recording medium so as to rotate.

5 [8] The recording medium drive device according to any one of claims 4 to 7,
wherein

the stopper comprises a biasing section that biases the recording medium
detector toward a direction in which the recording medium detector abuts on the recording
medium.

10 [9] The recording medium drive device according to claim 8, wherein
the biasing section is a torsion bar provided to the rotary shaft.

[10] The recording medium drive device according to claim 9, wherein
the rotary shaft is respectively provided at two sides of the stopper, and the
torsion bar is provided at one end of either rotary shaft.

15 [11] The recording medium drive device according to any one of claims 5 to 10,
wherein

the tip end of the stopper body is provided with an insertion preventer that abuts
on the other recording media to prevent the other recording media from being inserted.

[12] The recording medium drive device according to any one of claims 1 to 11,
20 further comprising:

a tray that mounts the recording media.